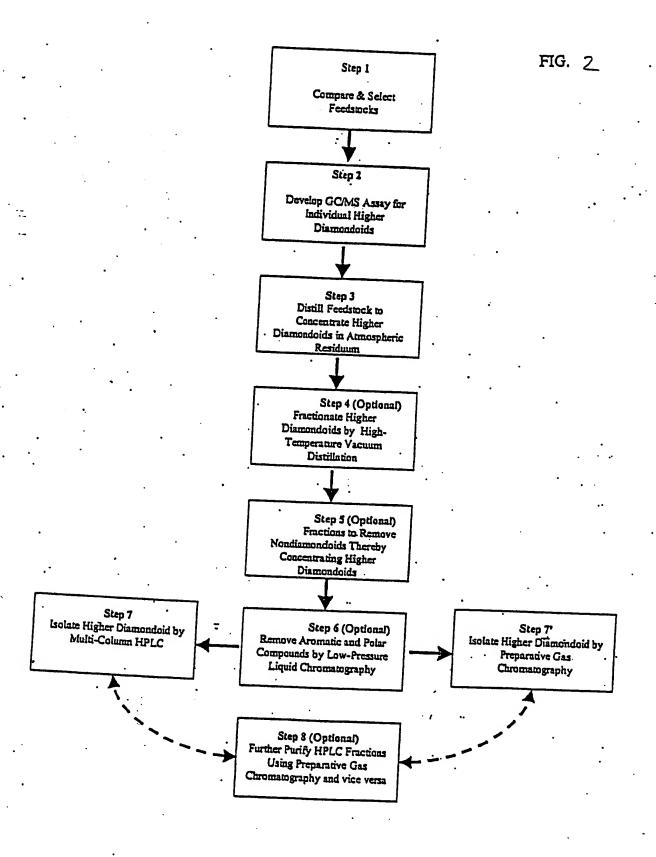
INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834 SHEET 1 of 28 optical components Optical waveguides Miscellaneous Mirrors Lenses Protective coatings Pressure windows Passive films Anti-reflection ·:_ coatings Other optoelectronic Isolate diamondoids containing materials heterodiamondoids; Radiation detectors Molecular crystals from petroleum functionalized diamondoids **Phototransistors** diamondoid-Synthesize Photothyristors feedstocks Fabricr: **Photoresistors** devices **Photodiodes** Solar cells Polymers CVD type ultraviolet light LED's and particle Radiation detectors Current injectionemitting device detectors (LED) lasers (laser diode) dopants or color Dye lasers with optically active Semiconductor Lasers centers

111LE: OPTICAL USES OF DIAMONDOID-CONTAINING MATERIALS

TITLE: OPTICAL USES OF DIAMONDOID-CONTAINING MATERIALS INVENTORS: JEREMY E. DAHL, ET AL.

APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

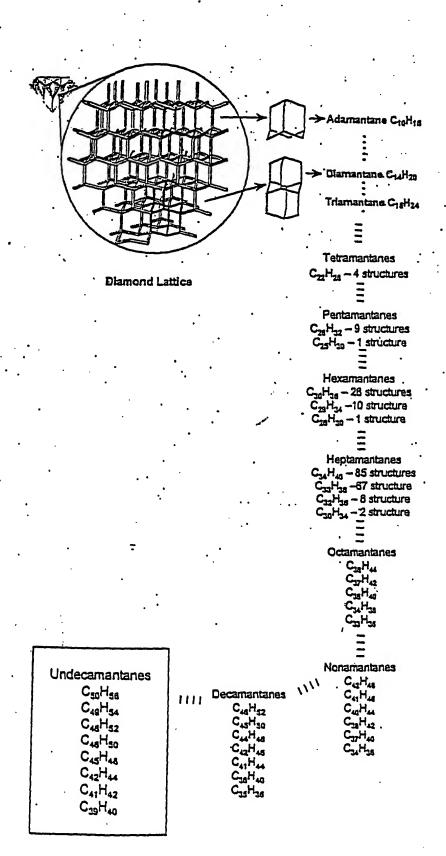
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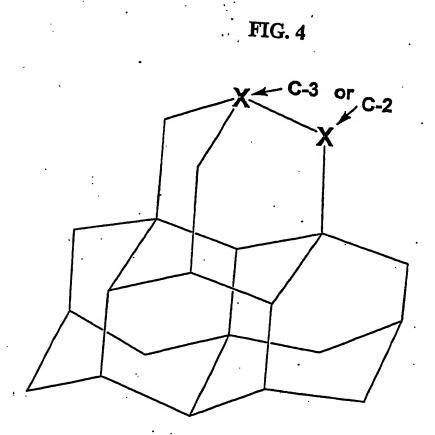
INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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FIG. 3



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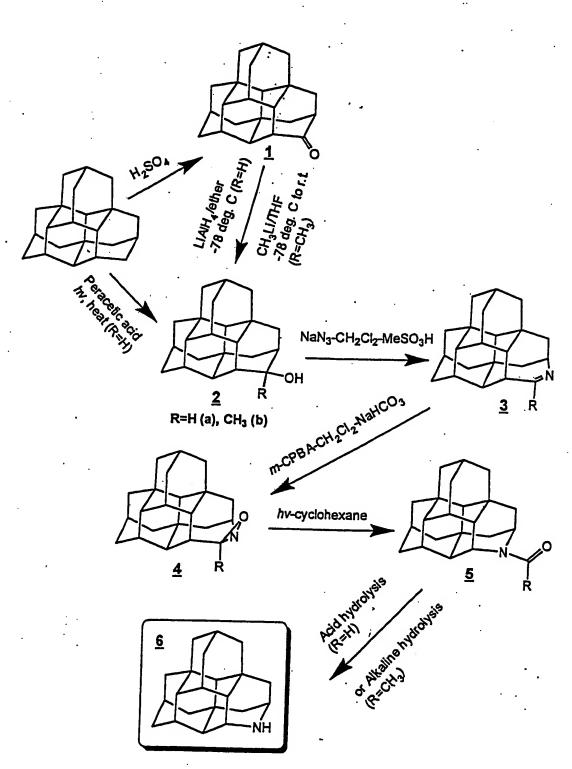


INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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FIG. 5A

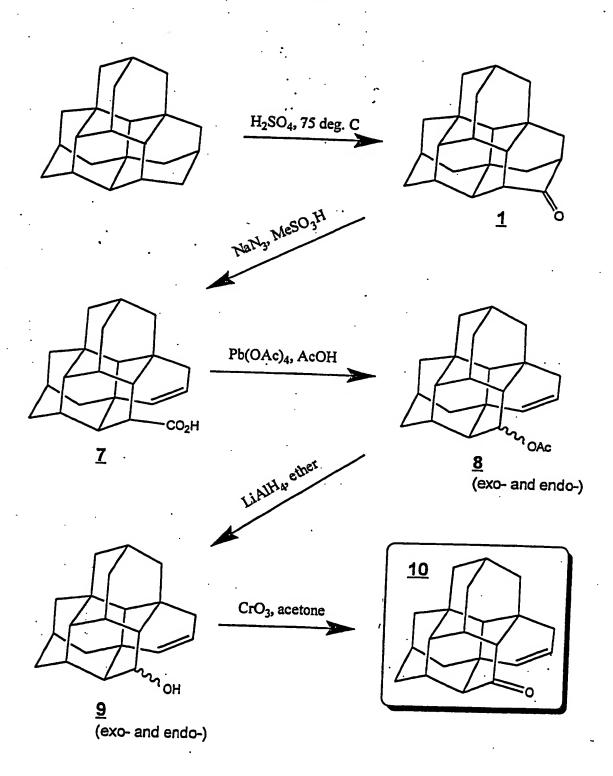


Inventors: Jeremy E. Dahl, et al. Application Serial No: Unassigned Attorney Docket No: 005950-834

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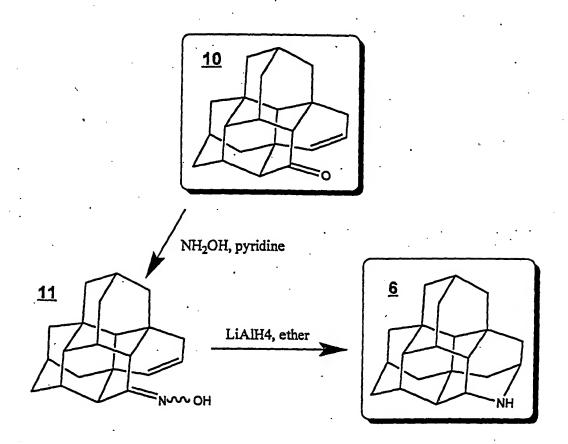
FIG. 5B



INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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5B (Cont.) FIG.



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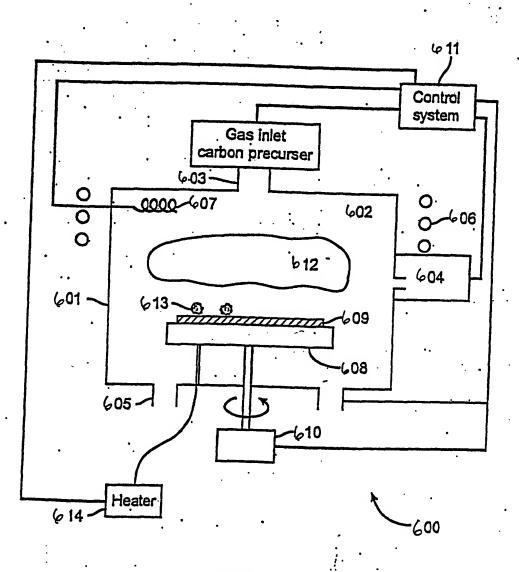
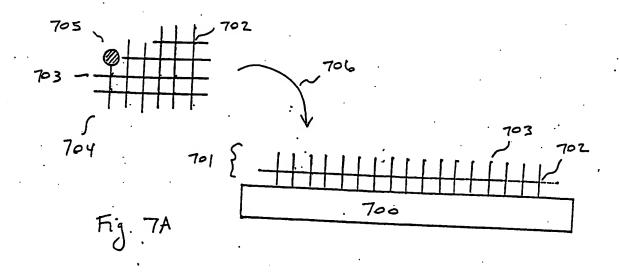


FIG. b

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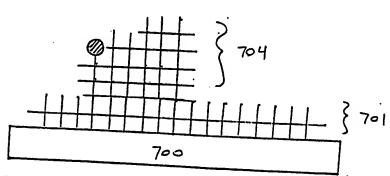
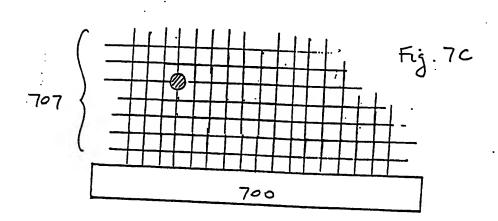


Fig. 713



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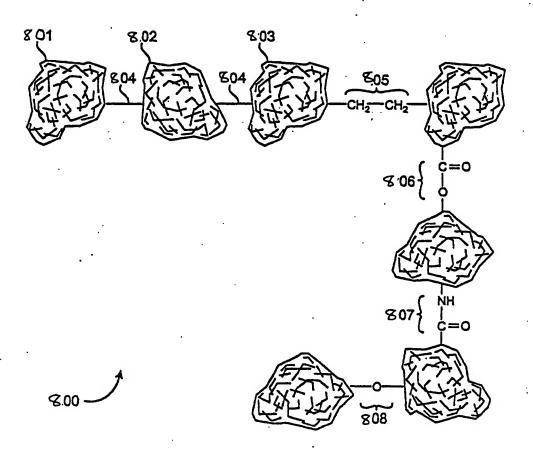


FIG. 8A

TITLE: OPTICAL USES OF DIAMONDOID-CONTAINING MATERIALS INVENTORS: JEREMY E. DAHL, ET AL.

INVENTORS: JEREMY E. DAHL, ET AL.

APPLICATION SERIAL NO: UNASSIGNED

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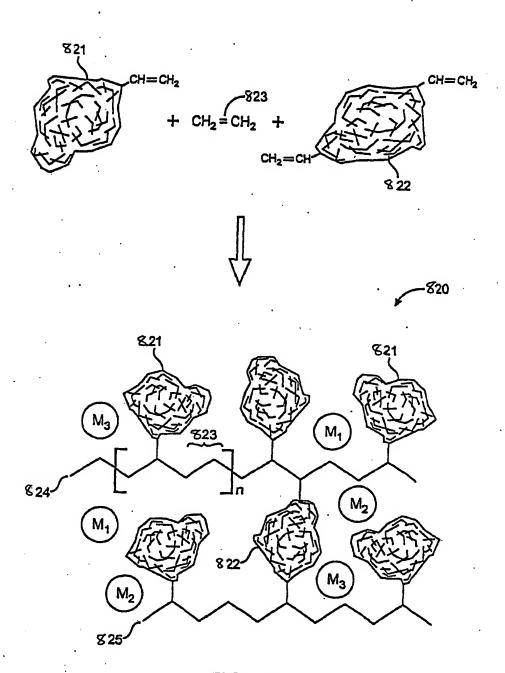
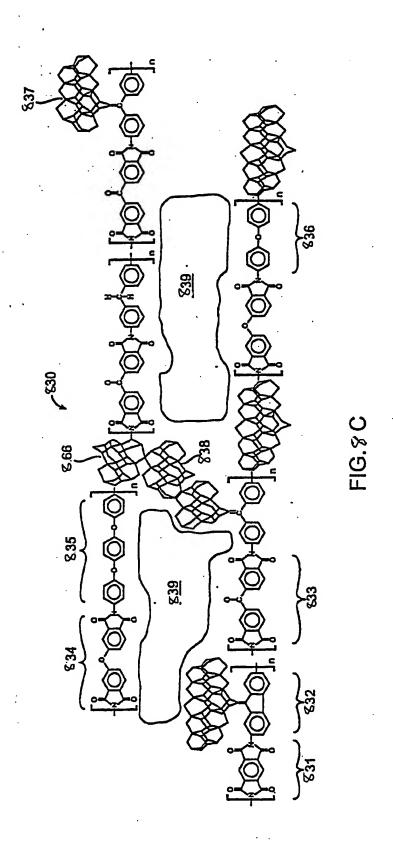


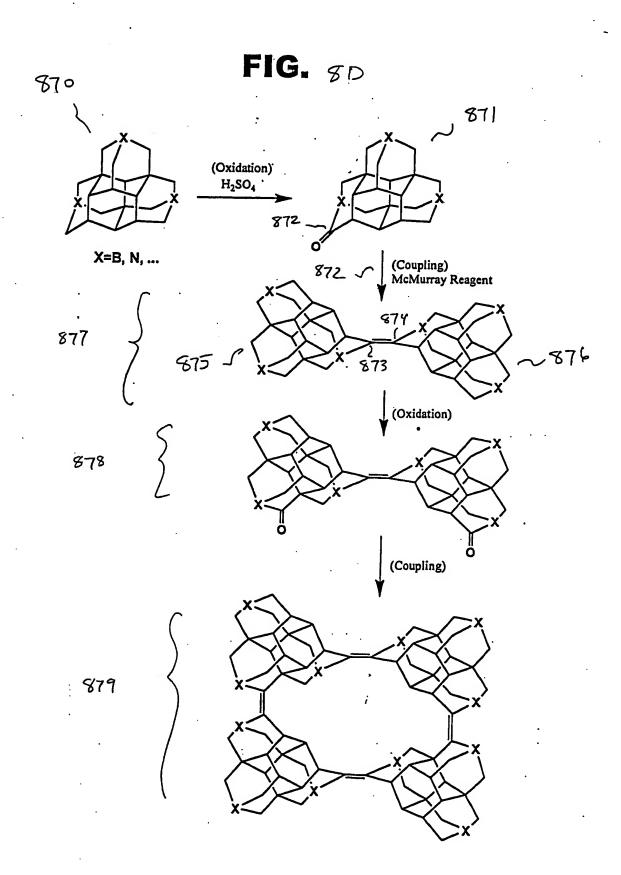
FIG. 8B

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Inventors: Jeremy E. Dahl, et al. Application Serial No: Unassigned Attorney Docket No: 005950-834

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INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

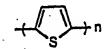
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POLYACETYLENE

FIG. 9 A

POLYPYRROLE

FIG. 9 C



POLYTHIOPHENE

FIG. 9 E

POLY-3 METHYL THIOPHENE

FIG. 9G

POLYISOTHIANAPHENE

FIG. 91

$$+$$
 \rightarrow n

POLYPARAPHEMYLENE

FIG. 9 B

POLYPARAPHEMYLENE SULPHIDE

FIG. 9 D

POLYPARAPHEMYLENE VINYLENE

FIG. 9 F.

POLYCARBAZOLE

FIG. 9H

POLY(1,6-HEPTADIYNE)

FIG. 9 J

TITLE: OPTICAL USES OF DIAMONDOID-CONTAINING MATERIALS INVENTORS: JEREMY E. DAHL, ET AL.

INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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POLY-3 ALKYLTHIOPHENE

FIG. 9 K

TINA

FIG. 9 L.

POLYQUINOLINE

POLY-3 ALKYLSULFONATE

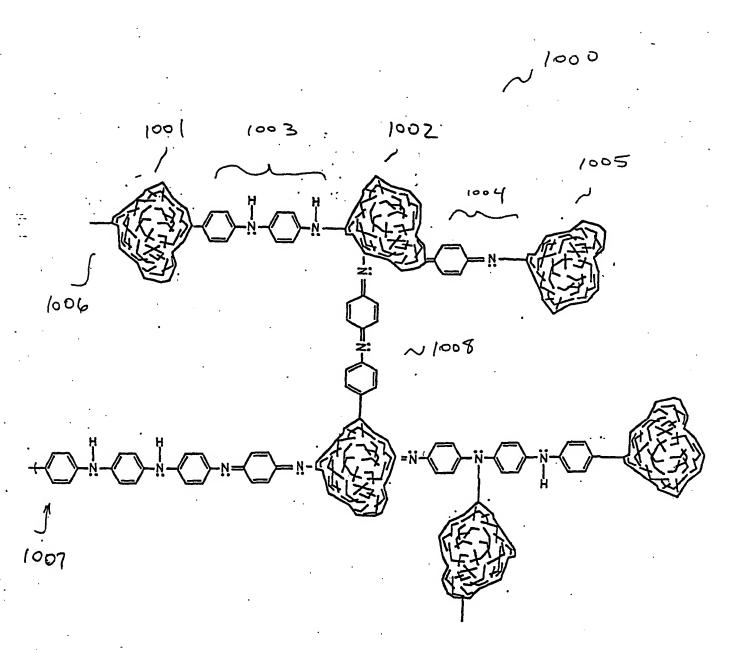
FIG. 9 M

 $+ \sqrt{\sum_{i}} \sqrt{\sum_{i}}$

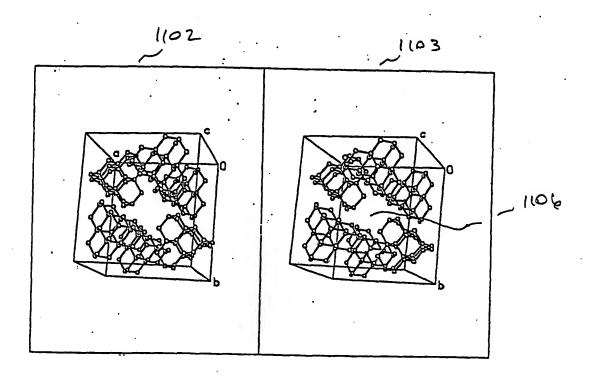
POLYANILINE

FIG. 9 N

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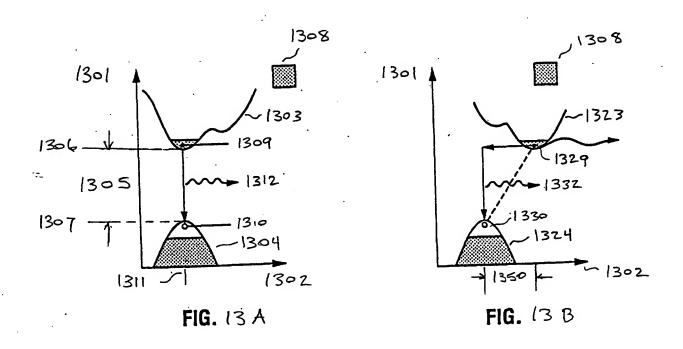


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FIG. 12

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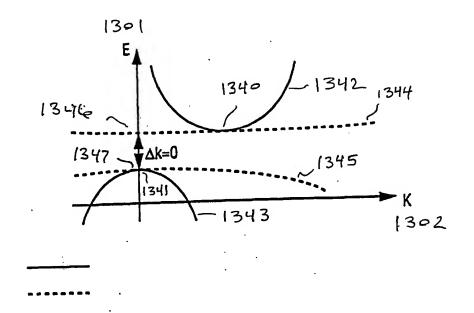
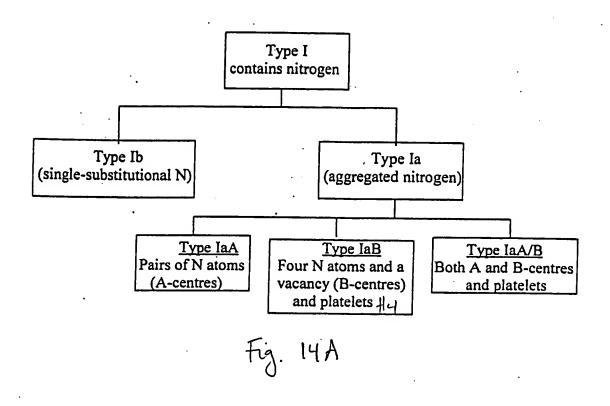


FIG. 13 C

INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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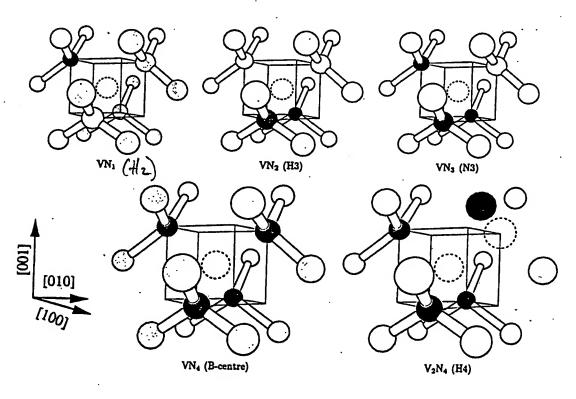
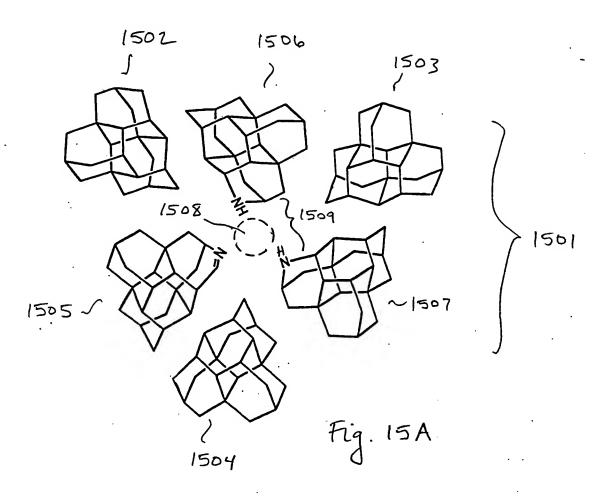


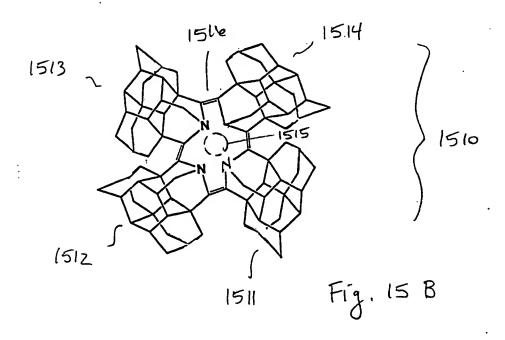
Fig. 14 B

INVENTORS: JEREMY E. DAHL, ET AL.
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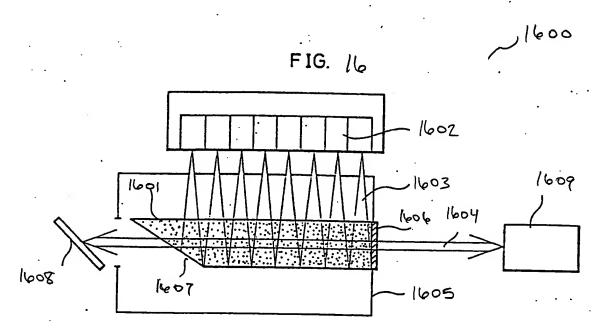




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ATTORNEY DOCKET NO: 005950-834

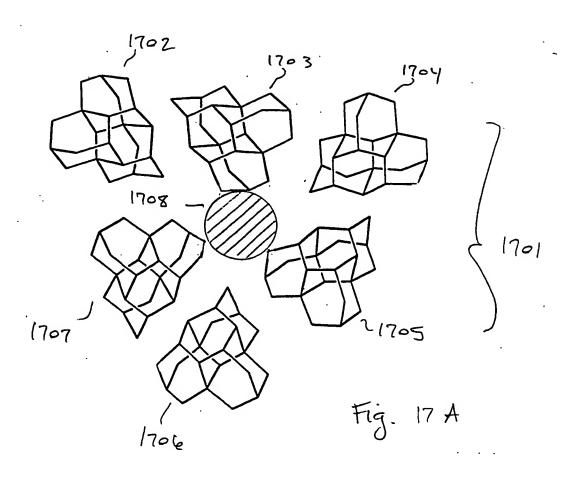
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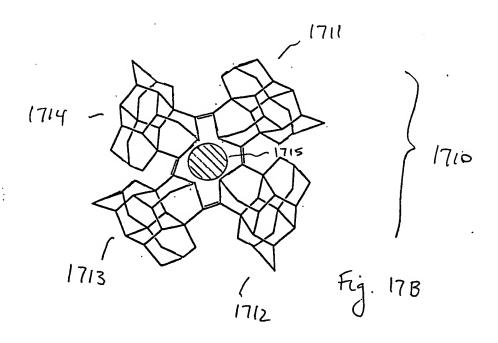
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INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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ATTORNEY DOCKET NO: 005950-834

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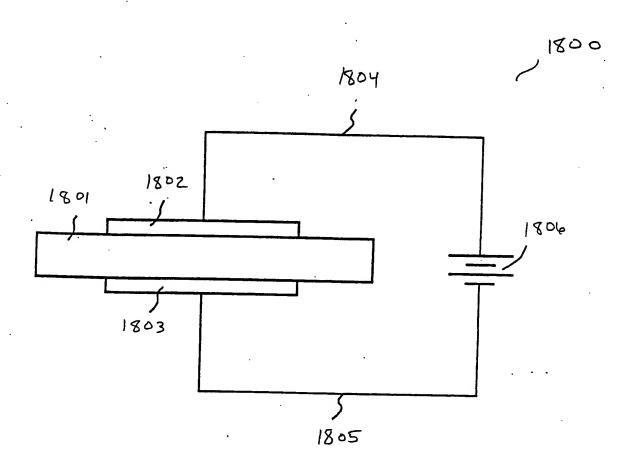
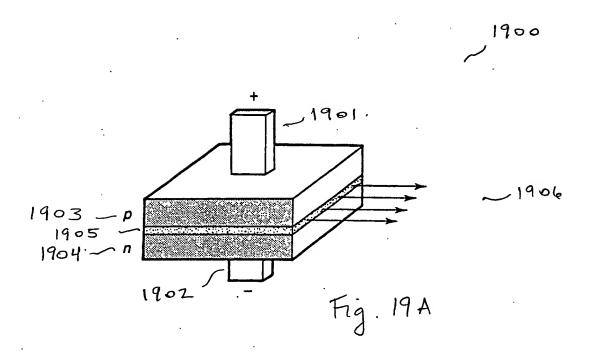


Fig. 18

INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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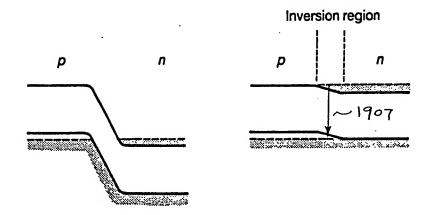


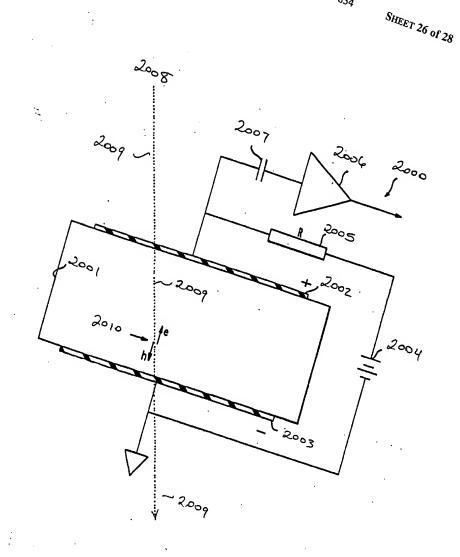
Fig. 19B

Fig. 19 C

TITLE: OPTICAL USES OF DIAMONDOID-CONTAINING MATERIALS

APPLICATION SERIAL NO: UNASSIGNED

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trig 20A

INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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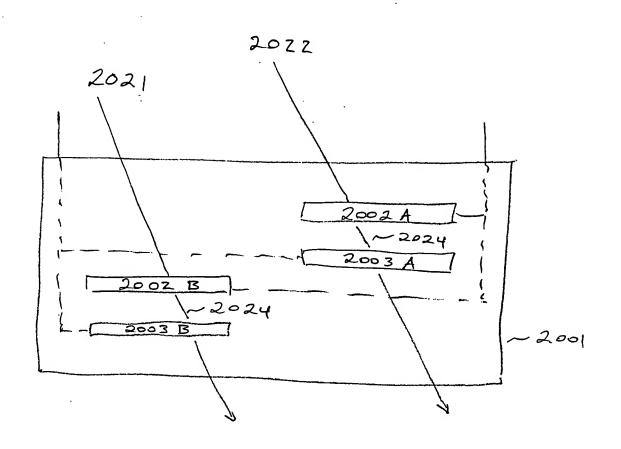
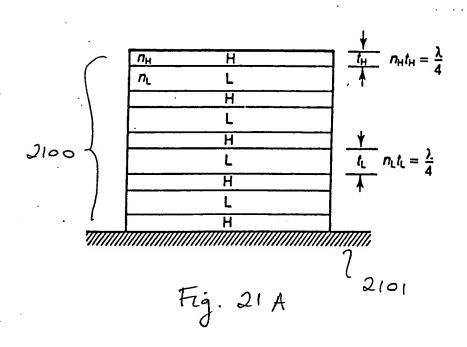


Fig. 20B

INVENTORS: JEREMY E. DAHL, ET AL. APPLICATION SERIAL NO: UNASSIGNED ATTORNEY DOCKET NO: 005950-834

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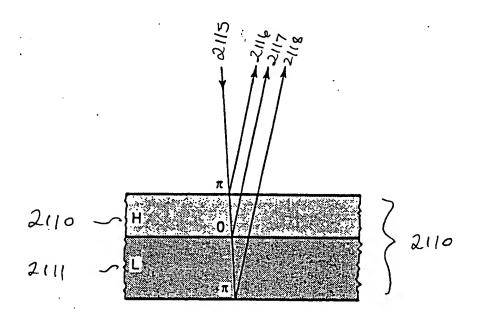


Fig. 21 B